

In re Application of MARTINSEN et al.
Serial No. 09/677,445

Listing of the Claims:

1. (Currently Amended) In a computer system, a method comprising:
~~interpreting processing~~ a page, the page comprising: an import instruction that references a behavior component coded in a dynamic hypertext markup language; and an element ~~synchronously bound to~~ associated with the behavior component;
synchronously binding the behavior component to the element, including instantiating an instance of the behavior component in accordance with the import instruction when a part of page corresponding thereto is parsed by a browser; and
~~determining a behavior of the element on the page by instantiating the behavior component in accordance with the import instruction prior to interpreting the element and the instance of the behavior component synchronously bound to the element.~~
2. (Original) The method of claim 1, wherein the element is associated with a namespace in the page.
3. (Original) The method of claim 2, wherein the behavior component comprises a name for creating a custom element that may be linked to the behavior component, and wherein a syntax for the element comprises a reference to the name.

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4. (Original) The method of claim 3, wherein the syntax for the element further comprises a reference to the namespace.

5. (Original) The method of claim 1, wherein the behavior component comprises a name for creating a custom element that may be linked to the behavior component, and wherein a syntax for the element comprises a reference to the name.

6. (Currently Amended) The method of claim 1, wherein the behavior component is instantiated in accordance with a thread, and wherein the import instruction causes at least one other thread to cease while instantiating the behavior component.

7. (Canceled)

8. (Canceled)

9. (Original) The method of claim 1, wherein the behavior component comprises content, and wherein instantiating the behavior component comprises inserting the content into the page.

10. (Currently Amended) The method of claim 9, wherein processing the page comprises interpreting the ~~page comprises~~ page, including

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creating a document structure, wherein instantiating the instance of the behavior component comprises creating a document fragment including content, and wherein inserting the content into the page comprises inserting the document fragment into the document structure.

11. (Currently Amended) The method of claim 1, wherein processing the page comprises interpreting the page-comprises page, including creating a document structure, and wherein instantiating the instance of the behavior component comprises,
creating a document fragment; and
inserting the document fragment into the document structure.

12. (Currently Amended) The method of claim 1, wherein processing the page comprises interpreting the page-comprises page, including creating a document structure, and wherein instantiating the instance of the behavior component comprises,
creating a document fragment; and
maintaining the document fragment separate from the document structure.

13. (Original) The method of claim 12, wherein the element comprises a pointer to the document fragment.

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14. (Original) The method of claim 13, wherein the document fragment comprises content, and wherein interpreting the page comprises inserting the content into the page.

15. (Currently Amended) The method of claim 14, wherein inserting the content into the page comprises inserting the content into ~~the~~ a position corresponding to a location of the element in the page.

16. (Original) The method of claim 1, wherein the behavior component comprises script.

17. (Original) The method of claim 16, wherein the behavior component comprises an HTC file.

18. (Currently Amended) A tangible computer-readable medium having computer-executable instructions comprising:

~~interpreting processing a page to create a document structure, including parsing the page and interpreting the page via a browser,~~ the page comprising an instruction to instantiate a behavior component that is coded in a dynamic hypertext markup language and ~~synchronously bound to~~ associated with an element;

instantiating the behavior component in accordance with the instruction while parsing the page, and before interpreting the page, at a part thereof

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corresponding to the behavior component, to synchronously bind an instantiated instance of the behavior component to the element, instantiation of the behavior component creating a document fragment; and
maintaining the document fragment separate from the document structure.

19. (Original) The computer-readable medium of claim 18, wherein the page comprises an element linked to the behavior component, and wherein the element comprises a pointer to the document fragment.

20. (Currently Amended) The computer-readable medium of claim 19, wherein ~~the interpreting~~ processing the page comprises applying a behavior of the behavior component to the element.

21. (Currently Amended) The computer-readable medium of claim 19, wherein the document fragment comprises content, and wherein ~~interpreting~~ processing the page comprises inserting the content into the page.

22. (Currently Amended) The computer-readable medium of claim 21, wherein inserting the content into the page comprises inserting the content into ~~the~~ a position corresponding to a location of the element in the page.

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23. (Original) The computer-readable medium of claim 18, wherein the document fragment comprises content, and wherein interpreting the page comprises inserting the content into the page.

24. (Canceled).

25. (Currently Amended) A tangible computer-readable medium having computer-executable components comprising:

a behavior component coded in a dynamic hypertext markup language;

an import instruction component in a page, the import instruction configured to call for instantiation of the behavior component to create an instance of the behavior component during a parsing of the page and further configured to associate the behavior component with the page when the page is parsed; and

an element in the page that is defined by a behavior of the behavior component and configured such that, during the parsing of the page by a browser, the element synchronously binds with the instance of the behavior component ~~and applies the behavior~~.

26. (Original) The computer-readable medium of claim 25, wherein the behavior component comprises an instruction component configured such that during the parsing of the page, static content within the element is not parsed.

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27. (Original) The computer-readable medium of claim 26, further comprising an executable file for accessing the content within the element.

28. (Original) The computer-readable medium of claim 27, wherein the executable file comprises script.

29. (Canceled) ,

30. (New) A tangible computer-readable medium having computer-executable instructions, comprising,

synchronously binding an element placed in a page to an instance of a behavior component, the behavior component coded in a dynamic hypertext markup language and including content, the synchronous binding occurring when parsing the element, including by instantiating the instance of the behavior component to create a document fragment in which the instance of the behavior component includes a pointer to the content;

interpreting the page to form a document structure, the document structure maintained separately from the document fragment;

accessing the content via the pointer included in the instance of the behavior component; and

inserting the content into a representation of the page.

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31. (New) A tangible computer-readable medium having computer-executable instructions comprising:

processing a page containing an element, a behavior component and at least one instruction; and

parsing at least part of the page, including instantiating an instance of the behavior component to synchronously bind the instance to the element based on the instruction, the instruction precluding at least some static content from being parsed.